

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

1. (Currently amended) A transaction filtering system for allocating transactions among a plurality of business objects, the system comprising:
 - storage configured to store generated allocation rules and to store transaction data associated with a plurality of transactions, each generated allocation rule being associated with at least one of the plurality of business objects ~~and being generated using relationships between members of the plurality of business objects~~, each generated allocation rule being generated by combining a first predefined rule of a node of a hierarchical data structure with a second predefined rule inherited from a parent node, the first predefined rule characterizing a member of the at least one of the plurality of business objects;
 - a query engine configured to query the transaction data using the generated allocation rules; and
 - an allocation manager configured to make one or more attempts to allocate a member of the plurality of transactions among the plurality of business ~~objects~~ objects,wherein each generated allocation rule determines if a business object is entitled to an allocation from a particular transaction.
2. (Previously presented) The transaction filtering system of claim 1, wherein a member of the plurality of transactions is a sale and the query engine is configured to determine commission allocation.
3. (Previously presented) The transaction filtering system of claim 1, wherein a member of the plurality of transactions is a purchase and the query engine is configured to determine cost allocation.

4. (Original) The transaction filtering system of claim 1, wherein a member of the plurality of transactions is unallocated after a first attempt at allocation.

5. (Original) The transaction filtering system of claim 1, wherein a member of the plurality of transactions is under-allocated after a first attempt at allocation.

6. (Original) The transaction filtering system of claim 1, wherein a member of the plurality of transactions is over-allocated after a first attempt at allocation.

7. (Original) The transaction filtering system of claim 1, wherein a second attempt at allocating the member of the plurality of transactions includes identifying a business object configured to manually determine the allocation.

8-11. (Canceled)

12. (Currently amended) A computing system for hierarchical transaction filtering, the computing system comprising:

storage configured to store a hierarchical data structure, a first generated allocation rule associated with a first business object, a second generated allocation rule associated with a second business object, and transaction data;

an allocation manager configured to track ~~allocation~~ allocations of transactions represented by the transaction data and track whether the business objects are entitled to an allocation from a particular transaction; and

a query engine configured to execute a first query on the transaction data using the first generated allocation rule and, responsive to the first query, to execute a second query on the transaction data using the second generated allocation ~~rule~~ rule.

wherein the first generated allocation rule includes a predefined rule inherited from a parent node.

13. (Previously presented) The computing system of claim 12, wherein the hierarchical data structure is configured to represent relationships between business objects in a sales organization.

14. (Canceled)

15. (Original) The computing system of claim 12, wherein the first generated allocation rule is produced by traversing the hierarchical data structure.

16. (Original) The computing system of claim 12, wherein the second query is configured to identify a business object having a management role with respect to a node of the hierarchical data structure.

17. (Original) The computing system of claim 12, further including a transaction source configured to generate the transaction data.

18-43. (Canceled)

44. (Currently amended) A computer program product embedded in a computer readable medium for allocating transactions among a plurality of business objects, the computer program product including instructions that, when executed by a processor, cause the processor to:

store generated allocation rules and transaction data associated with a plurality of transactions, each generated allocation rule being associated with at least one of the plurality of business objects and being generated using relationships between members of the plurality of business objects, each generated allocation rule being generated by combining a first predefined rule of a node of a hierarchical data structure with a second predefined rule inherited from a parent node, the first predefined rule characterizing a member of the at least one of the plurality of business objects;

query the transaction data using the generated allocation rules; and

make at least one attempt to allocate a member of the plurality of transactions
among the plurality of business-objects ~~objects~~,
wherein each generated allocation rule determines if a business object is entitled
to an allocation from a particular transaction.

45. (Previously presented) The computer program product of claim 44,
wherein a member of the plurality of transactions is a sale and the query step includes
determining commission allocation.

46. (Previously presented) The computer program product of claim 44,
wherein a member of the plurality of transactions is a purchase and the query is configured to
determine cost allocation.

47. (Previously presented) The computer program product of claim 44,
wherein a member of the plurality of transactions is unallocated after a first attempt at allocation.

48. (Previously presented) The computer program product of claim 44,
wherein a member of the plurality of transactions is under-allocated after a first attempt at
allocation.

49. (Previously presented) The computer program product of claim 44,
wherein a member of the plurality of transactions is over-allocated after a first attempt at
allocation.

50. (Previously presented) The computer program product of claim 44,
wherein a second attempt at allocating the member of the plurality of transactions includes
identifying a business object configured to manually determine the allocation.

51. (Previously presented) A computer program product embedded in a
computer readable medium for hierarchical transaction filtering, the computer program product
including instructions that, when executed by a processor, cause the processor to:

store a hierarchical data structure, a first generated allocation rule associated with a first business object, a second generated allocation rule associated with a second business object, and transaction data;

track ~~allocation~~ allocations of transactions represented by the transaction data and track whether the business objects are entitled to an allocation from a particular transaction; and

execute a first query on the transaction data using the first generated allocation rule and, responsive to the first query, execute a second query on the transaction data using the second generated allocation ~~rule~~ rule.

wherein the first generated allocation rule includes a predefined rule inherited from a parent node.

52. (Previously presented) The computer program product of claim 51, wherein the hierarchical data structure is configured to represent relationships between business objects in a sales organization.

53. (Canceled)

54. (Previously presented) The computer program product of claim 51, wherein the first generated allocation rule is produced by traversing the hierarchical data structure.

55. (Previously presented) The computer program product of claim 51, wherein the second query is configured to identify a business object having a management role with respect to a node of the hierarchical data structure.

56. (Previously presented) The computer program product of claim 51, further including a transaction source configured to generate the transaction data.